

MorKlad™

Rainscreen Board

The Morin MorKlad™ Rainscreen Board is a premium performance insulation product, with a fiber-free rigid thermoset phenolic core with a low emissivity composite foil on the exterior surface and glass tissue based facer on the interior, which is used for insulation in rainscreen cladding systems.

- R-Value 8.1 per inch
- ASTM E84 Class A rating of 10 Flame Spread / 75 Smoke Developed

Standard Dimensions

MorKlad™ Rainscreen Board is available in the following standard size:

Nominal Dimension	Availability
Width	47.24" / 1200mm
Length	95.98" / 2438mm

Thermal Resistance

The R-values detailed below are quoted in accordance with ASTM C518 (Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus). Conditioned for 90 days at 140° F dry heat prior to testing.

Insulant Thickness		Thermal Resistance
(in)	(mm)	(R-Value) **
1.57	40	12.8
1.97	50	15.9
2.36	60	19.1
2.50	63.5	20.3
2.76	70	22.3
2.95	75	23.9
Contact Morin for Available Thickness		

*Note: Listed R-values per Intertek Code Compliance Research Report CCR-1066. R-values are expressed in ft²•h•F/Btu.

Fire Performance

For information regarding ASTM E84 rating, please review Intertek flame spread listing on the Intertek Directory of Building Products website.

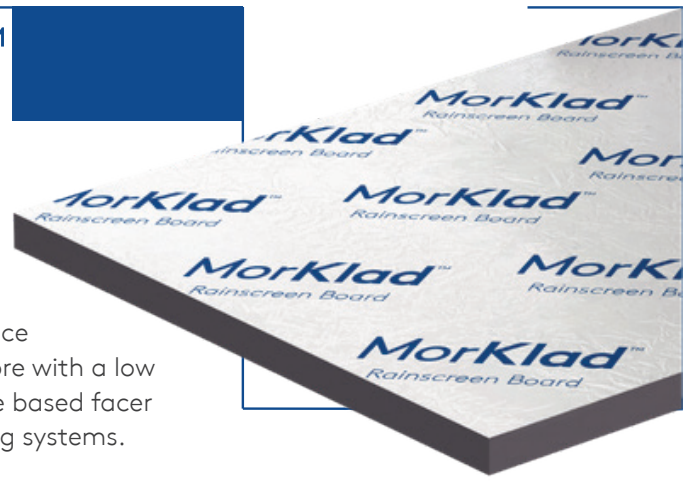


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Morin®
By Kingspan



Fiber-free
Core



Testing

Product Data - General		
Property	Test Method	Result
Compressive Strength, Min. (psi)	ASTM D1621	16
Water Absorption, Max (% by volume)	ASTM C209	1.0
Nominal Density, Min. (lb/ft ³)	ASTM D1622	2.4
Closed Cell Content, (% of cells closed)	ASTM D6226	95
Air Permeance (L/(s•m ²) @ 75 Pa) (cfm/ft ² @ 1.57 psf)	ASTM E2178	0.003 / 0.000
Water Vapor Permeance ¹	ASTM E96	3

¹ shown is for 25mm thick board. Permeance typically decreases as board thickness increases.